

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION DR-611

Effective Date: April 1, 2013
Reevaluation Date: **April 2017**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" and 8'-0" Glazed Fiberglass Plastpro Doors, Inswing & Outswing, Singles with and without Sidelites, and Doubles, Non-impact Resistant, manufactured by

Endura Products, Inc.
8811 West Market Street
Colfax, NC 27235
Telephone: (336) 668-2472

General Description:

System	Description	Label Rating	Drawing Number
1	6'-0" x 6'-8" Lip Lite Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +35/-35 psf Outswing +40/-40 psf <u>Ultimate Multi-point Astragal</u> Inswing +45/-45 psf Outswing +45/-45 psf <u>Ultimate Flip Lever Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf	TX-4212
2	6'-0" x 6'-8" Flush Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +40/-45 psf Outswing +50/-50 psf <u>Ultimate Multi-point Astragal</u> Inswing +55 /-55 psf Outswing +55/-55 psf <u>Ultimate Flip Lever Astragal</u> Inswing +45/-50 psf Outswing +45/-45 psf	TX-4212
3	6'-0" x 8'-0" Lip Lite Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +40/-45 psf Outswing +45/-45 psf <u>Ultimate Multi-point Astragal</u> Inswing +35/-35 psf Outswing +35/-35 psf <u>Ultimate Flip Lever Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf	TX-4213

General Description (continued):

System	Description	Label Rating	Drawing Number
4	6'-0" x 8'-0" Flush Glazed Fiberglass Double Door, Inswing/Outswing (XX)	<u>Ultimate Hurricane Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf <u>Ultimate Multi-point Astragal</u> Inswing +40/-40 psf Outswing +40/-40 psf <u>Ultimate Flip Lever Astragal</u> Inswing +30/-35 psf Outswing +30/-30 psf	TX-4213
5	3'-0" x 6'-8" Lip Lite Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing +40/-45 psf Outswing +45/-50 psf	TX-4214
6	3'-0" x 6'-8" Flush Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing +45/-45 psf Outswing +45/-45 psf	TX-4214
7	3'-0" x 8'-0" Lip Lite Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing +40/-45 psf Outswing +40/-40 psf	TX-4215
8	3'-0" x 8'-0" Flush Glazed Fiberglass Single Door w/ Sidelites, Inswing/Outswing (OXO)	Inswing +40/-40 psf Outswing +40/-40 psf	TX-4215

Component Dimensions:

System	Overall Size	Panel Size	Maximum Daylight Opening Size
1	Inswing: 73.94" x 81.94" Outswing: 73.94" x 81 1/8"	Door: 35 3/4" x 79 1/4"	Door: 21" x 63"
2	Inswing: 73.94" x 81.94" Outswing: 73.94" x 81 1/8"	Door: 35 3/4" x 79 1/4"	Door: 26 1/4" x 65 1/2"
3	Inswing: 73.94" x 97.94" Outswing: 73.94" x 97 1/8"	Door: 35 3/4" x 95 1/4"	Door: 21" x 79"
4	Inswing: 73.94" x 97.94" Outswing: 73.94" x 97 1/8"	Door: 35 3/4" x 95 1/4"	Door: 26 1/4" x 78"

Component Dimensions (continued):

System	Overall Size	Panel Size	Maximum Daylight Opening Size
5	Inswing: 112.19" x 81.94" Outswing: 112.19" x 81 1/8"	Door: 35 3/4" x 79 1/4" Sidelite: 35 3/4" x 79 1/4"	Door: 21" x 63" Sidelite: 21" x 63"
6	Inswing: 112.19" x 81.94" Outswing: 112.19" x 81 1/8"	Door: 35 3/4" x 79 1/4" Sidelite: 35 3/4" x 79 1/4"	Door: 26 1/4" x 65 1/2" Sidelite: 26 1/4" x 65 1/2"
7	Inswing: 112.19" x 97.94" Outswing: 112.19" x 97 1/8"	Door: 35 3/4" x 95 1/4" Sidelite: 35 3/4" x 95 1/4"	Door: 21" x 79" Sidelite: 21" x 79"
8	Inswing: 112.19" x 97.94" Outswing: 112.19" x 97 1/8"	Door: 35 3/4" x 95 1/4" Sidelite: 35 3/4" x 95 1/4"	Door: 26 1/4" x 78 1/2" Sidelite: 26 1/4" x 78 1/2"

Components and Hardware:

System	Component	Quantity	Attachment Method
1-8	4" Butt Hinges	3 (6'-8" doors) 4 (8'-0" doors)	Hardware and components shall be installed in accordance with Endura drawings TX-4212, TX-4213, TX-4214 and TX-4215, dated August 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	
	Kwikset Signature Series (991) Lockset and Kwikset Signature Series (980/985) deadbolt	1	

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Double Doors
	Test Standards	ASTM E330-02
2	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Double Doors
	Test Standards	ASTM E330-02
3	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Double Doors
	Test Standards	ASTM E330-02
4	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Double Doors
	Test Standards	ASTM E330-02

Product Identification (Certification Agency Label on Door) - continued:

System		
5	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Door with Sidelites
	Test Standards	ASTM E330-02
6	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Door with Sidelites
	Test Standards	ASTM E330-02
7	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Door with Sidelites
	Test Standards	ASTM E330-02
8	Certification Agency	Self-labeled by manufacturer
	Manufacturer's Name or Code Name	Endura Products, Inc.
	Product Name	Glazed Fiberglass Door with Sidelites
	Test Standards	ASTM E330-02

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System			
1-8	Type of Installation	Door Frame	
	Wall Framing	Wood (G≥0.42) or Concrete (minimum 3,000 psi)	
	Fasteners	Minimum No. 10 x 2 ½” PFH wood screw ¼” Elco or ITW concrete screw	
	Fastener Embedment	Wood: Minimum of 1.15 inches into wood framing Concrete: Minimum of 1 ¾ inches into the concrete	
	Fastener Location/Spacing	Head	The doors shall be installed in accordance with Endura drawings TX-4212, TX-4213, TX-4214 and TX-4215, dated August 8, 2012, signed and sealed by Lyndon F. Schmidt, P.E. on October 1, 2012.
		Sill	
		Side Jamb	
Hinges			

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.